CIVIL TECH LABS
# 5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

# TEST REPORT

## COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Shettyhalli Sub Division BBMP. |
| **Name of the project** | Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-01** |
| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-15 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | CC-Work (Precast Slab 100mm Thick) | 08/05/2019 | 15/05/2019 | 7 | 8.22 | 260 | **11.56** | **11.64** |
| 2 | | | | | 8.23 | 262 | **11.64** | |
| 3 | | | | | 8.24 | 264 | **11.73** | |

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AE
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಪೇಂಪ್ರನಗರ, ಬೆಂಗಳೂರು

AE/2019-12

(KHUSHBOO L.)
Quality Manager

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| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | CC-Work | 07/05/2019 | 14/05/2019 | 7 | 8.16 | 346 | **15.38** | **15.47** |
| 2 | | | | | 8.19 | 348 | **15.47** | |
| 3 | | | | | 8.20 | 350 | **15.56** | |

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**(KHUSHBOO L.)**
**Quality Manager**

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| **Name of the project** | Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-01** |
| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-3 | 09/05/2019 | 06/06/2019 | 28 | 8.20 | 505 | **22.44** | **22.67** |
| 2 | | | | | 8.23 | 510 | **22.67** | |
| 3 | | | | | 8.24 | 515 | **22.89** | |

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## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

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|---|---|
| **Name & Address of the Customer** | AEE, Shettyhalli Sub Division BBMP. |
| **Name of the project** | Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-01** |
| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-4 | 11/05/2019 | 08/06/2019 | 28 | 8.21 | 495 | **22.00** | **22.22** |
| 2 | | | | | 8.23 | 500 | **22.22** | |
| 3 | | | | | 8.25 | 505 | **22.44** | |

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ಕಾರ್ಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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## TEST REPORT

### COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Shettyhalli Sub Division BBMP. |
| **Name of the project** | Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-01** |
| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-2 | 15/05/2019 | 12/06/2019 | 28 | 8.17 | 495 | **22.00** | **22.22** |
| 2 | | | | | 8.19 | 500 | **22.22** | |
| 3 | | | | | 8.20 | 505 | **22.44** | |

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ.ಬ.ಪ. ಉಪವಿಭಾಗ, ಶಾಕರಹಳ್ಳಿ ವಲಯ
ಬೃ.ಬ.ಪ. ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಿ.ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-1 | 17/05/2019 | 14/06/2019 | 28 | 8.13 | 475 | **21.11** | **21.33** |
| 2 | | | | | 8.14 | 480 | **21.33** | |
| 3 | | | | | 8.15 | 485 | **21.56** | |

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| **Name of Agency** | M/s. K. R. I. D. L. |
| **Grade of Concrete** | M-20 |
| **No. of cubes tested** | 3 |
| **Dimension of Specimen** | 150mmx150mmx150mm |
| **Cross Sectional Area** | 22500 mm² |
| **Technical Reference** | IS: 516-1959 (Reaffirmed 2013) |

| Sl. No. | Identification | Date of Casting | Date of Testing | Age at test (Days) | Weight (Kg) | Failure Load (KN) | Compressive Strength (N/mm²) | Avg Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|---|---|
| 1 | Sample-3 | 20/05/2019 | 17/06/2019 | 28 | 8.18 | 495 | **22.00** | **22.37** |
| 2 | | | | | 8.20 | 505 | **22.44** | |
| 3 | | | | | 8.21 | 510 | **22.67** | |

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## TEST REPORT
## RATE OF SPREAD OF TACK COAT

| | |
|---|---|
| **Name & Address of the Customer** | AEE, Shettyhalli Sub Division BBMP. |
| **Name of the project** | Improvements and Asphalting to Babanna Layout new vegetable market surrounding area roads in Ward No 12, Shettyhalli Sub divison |
| **Name of Work** | Improvements and Asphalting to Chikkasandra main road from Hesaraghatta main road to Vigneshwara layout in ward no.12 Shettyhalli Sub Division |
| **Name of Agency** | M/s. K. R. I. D. L. |
| **Date of Testing** | 11/06/2019 |

| Test No. | Area Tested | Rate of spread Kg/m² | As Per MORTH Table 500-5 | Remarks |
|---|---|---|---|---|
| 1 | Rate of Spread Test conducted for every 500 m² from area 0 to 528.00 m² | 0.23 | **0.25 to 0.30 Kg/m²** | Satisfactory |
| 2 | | 0.25 | | Satisfactory |

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